

regulatory sequence being capable of conferring expression of a heterologous DNA sequence during various stages of the cell cycle.

A9 34. (Amended) An activator or inhibitor of cell division obtained by the method of claim 30.

A10 44. (Amended) A method of a positive or negative selection which comprises using PLP as a marker during transformation of plant cell, plant tissue or plant procedures.

45. (Amended) The method of claim 44, wherein a selective agent such as an antibiotic is used.

Please add claim 46:

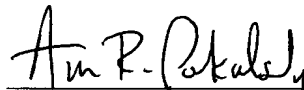
AV 46. The method of claim 45 wherein the antibiotic is hygromycin.

REMARKS

In accordance with 37 C.F.R. § 1.121, Applicants have amended the claims in the above-captioned application, which is an application under 35 U.S.C. § 371. It is respectfully requested that the amendments be entered prior to issuing an Office Action on the merits. The amendments have been made in order to conform the claims to U.S. practice. No new matter has been introduced.

Respectfully submitted,

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

5. A nucleic acid molecule of at least 15 nucleotides in length hybridizing specifically with a DNA sequence of claim 1 [or 4] or with a complementary strand thereof.
6. A vector comprising a DNA sequence of claim 1 [or 4].
8. A host cell containing a vector of claim 6 or 7 [or a DNA sequence of claim 1 or 4].
10. A method for the production of a cell cycle interacting protein or an immunologically active or functional fragment thereof comprising culturing a host cell of claim 8 [or 9] under conditions allowing the expression of the protein and recovering the produced protein from the culture.
11. A cell cycle interacting protein or an immunologically active or functional fragment thereof encodable by a DNA sequence of claim 1 [or 4] or obtainable by the method of claim 2[,] or 3 [or 10].
13. A method for the production of transgenic plants, plant cells or plant tissue comprising the introduction of a DNA sequence of claim 1, [4 or 5] or a vector of claim 6 or 7 into the genome of said plant, plant cell or plant tissue.
15. A transgenic plant cell comprising a DNA sequence of claim 1 [or 4] which is operably linked to regulatory elements allowing transcription and/or expression of the DNA sequence in plant cells or obtainable according to the method of claim 13 or 14.
17. A transgenic plant or a plant tissue comprising plant cells of claim 15 [or 16].
19. A transgenic plant cell which contains stably integrated into the genome a DNA sequence of claim 1, [4 or 5] or part thereof [or obtainable according to the method of claim 13 or 14,] wherein the transcription and/or expression of the DNA sequence or part thereof leads to reduction of the synthesis of a cell cycle interacting protein in the cells.
21. A transgenic plant or plant tissue comprising plant cells of claim 19 [or 20].
23. Harvestable parts or propagation material of plants of any one of claims 17, 18, 21 or 22 comprising plant cells of claim 15[,] or 16[, 19 or 20].
24. A regulatory sequence of a promoter regulating the expression of a nucleic acid molecule comprising the DNA sequence of [any one of] claim 1 [or 4], said regulatory

sequence being capable of conferring expression of a heterologous DNA sequence during various stages of the cell cycle.

34. An activator or inhibitor of [a] cell division obtained by the method of [any one of claims] claim 30 [to 32].

Claim 35 was canceled.

Claim 36 was canceled.

Claim 37 was canceled.

Claim 38 was canceled.

Claim 39 was canceled.

Claim 40 was canceled.

44. [Use of a PLP as] A method of a positive or negative selection [selectable] which comprises using PLP as a marker during transformation of plant cell, plant tissue or plant[.] procedures.

45. The [use] method of claim 44, wherein a selective agent [is] such as an antibiotic[,] is used [preferably hygromycin].

Claim 46 was added.